

(FILE 'HOME' ENTERED AT 15:45:48 ON 09 DEC 1999)

FILE 'REGISTRY' ENTERED AT 15:45:51 ON 09 DEC 1999

FILE 'REGISTRY' ENTERED AT 15:51:11 ON 09 DEC 1999

L1 0 S 1,1-CARBONYLDIIMIDAZOLE  
L2 2 S CARBONYLDIIMIDAZOLE  
L3 0 S CARBONYLDIIMIDAZOLE/CN  
L4 2 S L2  
L5 0 S T-BUTYLCARBAZATE/CN  
L6 0 S T-BUTYL CARBAZATE/CN  
L7 0 S T-BUTYLCARB?/CN  
L8 0 S T BUTYLCARB?/CN  
L9 390 S CARBAZATE?  
L10 389 S CARBAZATE  
L11 0 S CARBAZATE AND T-BUTYL  
L12 3 S TERT-BUTYL CARBAZATE  
L13 1 S TERT-BUTYL CARBAZATE/CN

FILE 'CAPLUS' ENTERED AT 15:53:36 ON 09 DEC 1999  
S 530-62-1/REG# AND 530-62-1/REG#

FILE 'REGISTRY' ENTERED AT 15:54:06 ON 09 DEC 1999  
L14 1 S 530-62-1/RN

FILE 'CAPLUS' ENTERED AT 15:54:06 ON 09 DEC 1999  
L15 1625 S L14

FILE 'REGISTRY' ENTERED AT 15:54:09 ON 09 DEC 1999  
L16 1 S 530-62-1/RN

FILE 'CAPLUS' ENTERED AT 15:54:09 ON 09 DEC 1999  
L17 1625 S L16  
L18 1625 S L17 AND L15  
L19 64 S L18 AND ((AMINO METHYL?) OR (AMINOMETHYL?))  
L20 1 S L19 AND POLYSTYRENE

FILE 'CASREACT' ENTERED AT 15:56:27 ON 09 DEC 1999  
L21 787 S 530-62-1 AND 530-62-1  
L22 2 S 530-62-1 AND 870-46-2

FILE 'CAPLUS' ENTERED AT 15:58:02 ON 09 DEC 1999  
S 530-62-1/REG# AND 870-46-2/REG#

FILE 'REGISTRY' ENTERED AT 15:58:06 ON 09 DEC 1999  
L23 1 S 870-46-2/RN

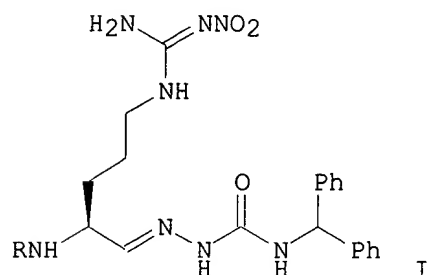
FILE 'CAPLUS' ENTERED AT 15:58:07 ON 09 DEC 1999  
L24 478 S L23

FILE 'REGISTRY' ENTERED AT 15:58:08 ON 09 DEC 1999  
L25 1 S 530-62-1/RN

FILE 'CAPLUS' ENTERED AT 15:58:10 ON 09 DEC 1999  
L26 1625 S L25  
L27 14 S L26 AND L24  
L28 0 S L27 AND ((AMINOMETHYL?) OR (AMINO METHYL?)) AND POLYSTYRENE?  
L29 2 S L27 AND ((AMINOMETHYL?) OR (AMINO METHYL?))

FILE 'REGISTRY' ENTERED AT 16:02:04 ON 09 DEC 1999

L22 ANSWER 1 OF 2 CASREACT COPYRIGHT 1999 ACS  
 AN 121:134768 CASREACT  
 TI Improved synthesis of arginine peptide aldehydes  
 AU Dagnino, Raymond, Jr.; Webb, Thomas R.  
 CS Dep. Med. Chem., Corvas Int., San Diego, CA, 92121, USA  
 SO Tetrahedron Lett. (1994), 35(14), 2125-8  
 CODEN: TELEAY; ISSN: 0040-4039  
 DT Journal  
 LA English  
 CC 34-3 (Amino Acids, Peptides, and Proteins)  
 GI



AB An improved method for the synthesis of peptide argininals, e.g. Me3CCO-Asp-Pro-Arg-al (I), by the use of a new aldehyde protecting group (diphenylmethyl semicarbazide) is reported. Thus, BocNHNH2 (Boc = Me3CO2C) was coupled with H2NCHPh2 by CDI to give BocNHNHCONHCHPh2, which was Boc-deblocked by CF3CO2H to give H2NNHCONHCHPh2, which was treated with Boc-Arg(NO2)-al to give semicarbazone II (R = Boc). The latter was used in the synthesis of protected semicarbazone peptide II [R = Me3CCO-Asp(OCH2Ph)-Pro], which was deblocked to give I.  
 ST arginine peptide aldehyde diphenylmethyl semicarbazide protection; phenylmethyl semicarbazide protection arginine peptide aldehyde; protective group diphenylmethyl semicarbazide peptide aldehyde  
 IT Protective groups  
     (diphenylmethyl semicarbazide, for synthesis of arginine peptide aldehydes)  
 IT Peptides, preparation  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
     (argininal-contg., prepn. of, diphenylmethyl semicarbazide as protecting group for)  
 IT 150908-38-6P 157001-78-0P 157001-79-1P 157001-80-4P 157001-81-5P

L20 ANSWER 1 OF 1 CAPLUS COPYRIGHT 1999 ACS  
 AN 1998:65914 CAPLUS  
 DN 128:115084  
 TI Functionalized ferrocenyldiphosphines, a process for their preparation  
 and  
 their use  
 IN Pugin, Benoit; Landert, Heidi  
 PA Novartis A.-G., Switz.; Pugin, Benoit; Landert, Heidi  
 SO PCT Int. Appl., 91 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English  
 IC ICM C07F017-02  
 ICS B01J031-28; C07B031-00; C07B053-00; C08F112-08  
 CC 29-12 (Organometallic and Organometalloidal Compounds)  
 Section cross-reference(s): 34

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9801457	A1	19980115	WO 1997-EP3626	19970709
	W:		AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:		GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG		
	AU 9736211	A1	19980202	AU 1997-36211	19970709
	EP 912586	A1	19990506	EP 1997-932789	19970709
	R:		AT, BE, CH, DE, ES, FR, GB, IT, LI, NL		

PRAI CH 1996-1746 19960710  
 CH 1996-2069 19960823  
 WO 1997-EP3626 19970709

OS MARPAT 128:115084

AB The invention relates to 1,2-ferrocenyldiphosphines which contain a functional group in the 1' position either directly or via a bridging group, and also a process for their prepn. The compds. are important ligands for transition metal complexes contg. d-8 metals such as Rh, Ru, Pd or Ir. These transition metal complexes are widely used in the hydrogenation of org. double or triple bonds, in particular olefinic double bonds and C-heteroatom double bonds. The complexes are particularly suitable for enantioselective hydrogenation using chiral ferrocenyldiphosphines and corresponding prochiral unsatd. compds. Ferrocenyldiphosphines having a functional group in the 1' position are also important intermediates for ferrocenyldiphosphine ligands and their metal complexes of d-8 metals such as Rh, Ru, Pd or Ir which are bound to inorg. or org. polymeric supports via this functional group. These metal complexes bound to an inorg. or org. support material are likewise very suitable for the hydrogenation of org. double or triple bonds.

ST ferrocenyl phosphine prepn hydrogenation catalyst

IT Hydrogenation catalysts  
 (ferrocenyldiphosphines)

IT Catalyst supports

(

L42 ANSWER 3 OF 3 SCISEARCH COPYRIGHT 1999 ISI (R)  
 AN 97:139072 SCISEARCH  
 GA The Genuine Article (R) Number: WG575  
 TI Synthesis and biological activity of P-2-P-4 azapeptidomimetic  
 P-1-argininal and P-1-ketoargininamide derivatives: A novel class of  
 serine protease inhibitors  
 AU Semple J E (Reprint); Rowley D C; Brunck T K; Ripka W C  
 CS CORVAS INT INC, DEPT MED CHEM, 3030 SCI PK RD, SAN DIEGO, CA 92121  
 (Reprint)  
 CYA USA  
 SO BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, (4 FEB 1997) Vol. 7, No. 3, pp.  
 315-320.  
 Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE,  
 KIDLINGTON, OXFORD, ENGLAND OX5 1GB.  
 ISSN: 0960-894X.  
 DT Article; Journal  
 FS LIFE  
 LA English  
 REC Reference Count: 35  
 AB Molecular modeling and topographic considerations of the  
 thrombin-specific sequences Boc-Asp-Pro-Arg-TS or Ac-d-Phe-Pro-Arg-TS (TS  
 = transition state analog electrophilic center) and related scaffolds led  
 to the design of novel P-2-P-4-azapeptidomimetic P-1-argininal and  
 P-1-ketoargininamide derivatives (3a-j). The synthesis and biological  
 activity of these potential serine protease inhibitors are presented. (C)  
 1997, Elsevier Science Ltd.  
 CC CHEMISTRY, ORGANIC; CHEMISTRY, MEDICINAL  
 STP KeyWords Plus (R): HUMAN ALPHA-THROMBIN; CATALYZED-HYDROLYSIS; ALDEHYDES;  
 DIESTERS; ACIDS  
 RF 95-1640 002; THROMBIN INHIBITORS; DEVELOPMENT OF A NOVEL RECOMBINANT  
 SERPIN; POTENTIAL ANTITHROMBOTIC PROPERTIES

RE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)
ANDRE F	1996	37	183	TETRAHEDRON LETT
APPLEQUIST D E	1963	28	48	J ORG CHEM
BAGDY D	1992	67	325	THROMB HAEMOSTASIS
BALASUBRAMANIAN B	1995	3	999	ADV DESIGN DEV THROM
BANNER D W	1991	266	20085	J BIOL CHEM
BAZAN J F	1996	380	121	NATURE

BJ

L43 ANSWER 1 OF 4 SCISEARCH COPYRIGHT 1999 ISI (R)  
 AN 96:790201 SCISEARCH  
 GA The Genuine Article (R) Number: VP247  
 TI DESIGN AND SYNTHESIS OF A SERIES OF NONPEPTIDE HIGH-AFFINITY HUMAN  
 CORTICOTROPIN-RELEASING FACTOR(1) RECEPTOR ANTAGONISTS  
 AU CHEN C (Reprint); ~~DAGNINO R~~; DESOUZA E B; GRIGORIADIS D E; HUANG  
 C Q; KIM K I; LIU Z Y; MORAN T; ~~WEBB T R~~; WHITTEN J P; XIE Y F;  
 MCCARTHY J R  
 CS NEUROCRINE BIOSCI, 3050 SCI PK RD, SAN DIEGO, CA, 92121 (Reprint)  
 CYA USA  
 SO JOURNAL OF MEDICINAL CHEMISTRY, (25 OCT 1996) Vol. 39, No. 22, pp.  
 4358-4360.  
 ISSN: 0022-2623.  
 DT Article; Journal  
 FS LIFE  
 LA ENGLISH  
 REC Reference Count: 15  
 CC CHEMISTRY, CLINICAL & MEDICINAL  
 STP KeyWords Plus (R): CENTRAL NERVOUS-SYSTEM; FUNCTIONAL EXPRESSION;  
 RAT-BRAIN; CLONING; CRF  
 RF 94-1063 002; CORTICOTROPIN-RELEASING FACTOR; HYPOTHALAMIC-PITUITARY-  
 ADRENAL AXIS; GLUCOCORTICOID HYPOTHESIS OF BRAIN AGING; CENTRAL NUCLEUS;  
 STRESS RESPONSES

RE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)
BATTAGLIA G	1987	1	572	SYNAPSE
CHANG C P	1993	11	1187	NEURON
CHEN R P	1993	90	8967	P NATL ACAD SCI USA
DESOUZA E B	1995	30	21	ANNU REP MED CHEM

DE